

Label intersection stations.

Check and document intersection sight distance.

Typically use a larger scale for approach roads: 1:500 for metric and 1:50 for US Customary.

Refer to the CADD manual Chapter 16 located on the CFL website for more information on drawing elements stored in COGO (including horizontal alignment and pay item elements): http://www.cflhd.gov/cadd/CaddManDocs/Chapter16_x30.pdf

Obliterate existing roadway

Use proper turning radii and widths - verify with design vehicle.

Label approach road.

Intersections at 90° where possible

Show north arrow and appropriate scale.

Make sure elements are placed with the proper symbology: Use the GEOPAK D&C manager to draw elements where possible. For manual drafting, use the FLH_Combined.dgnlib and select the appropriate level, using ByLevel symbology where possible. Refer to the CADD manual Chapter 9 located on the CFL website for more information: http://www.cflhd.gov/cadd/CaddManDocs/Chapter09_x30.pdf

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
16	ST	PROJECT NUMBER PROJECT NAME	D7	D8

Cells for patterns are found in Drafting_x30.cel. Refer to the CADD Manual Chapter 8 located on the CFL website for more information on cell libraries: http://www.cflhd.gov/cadd/CaddManDocs/Chapter08_x30.pdfShow both slope stake and clearing limits. Use GEOPAK "Limits of Construction" to get slope stake limits. (Refer to WFL's The Complete Knuckleheads Guide at http://www.wfl.fhwa.dot.gov/geopak/idiot2004/ss_lim.htm) Use the 3PC "Draw Clearing Limits in Plan View" in the D&C Manager.

Minimize steep grades and provide a sufficient landing as appropriate.

This is an example of a commonly used CFL custom linestyle. For CFL designers, the custom linestyle resource files are automatically read by MicroStation (providing the machine is properly configured.) For consultants, CFLHD linestyle resource files are available through the V8_Resource.zip download located on the CFL website: <http://www.cflhd.gov/cadd/standard-files/micro8-geopak04-x30.cfm> Refer to the CADD manual Chapter 6 for more information on linestyles: http://www.cflhd.gov/cadd/CaddManDocs/Chapter06_x30.pdfUse text style 'Metric Italic, Standard Text' found in the CFLHD text style library cfl_metric_text_styles.dgnlib. Refer to the CADD manual Chapter 5 located on the CFL website for more information: http://www.cflhd.gov/cadd/CaddManDocs/Chapter05_x30.pdf

Label the profile grade.

Label intersection stations and elevation.

Refer to the CADD manual Chapter 3 located on the CFL website for more information on file naming conventions: http://www.cflhd.gov/cadd/CaddManDocs/Chapter03_x30.pdf

Label existing ground

Use text style 'Metric Italic, Title Text' found in the CFLHD text style library cfl_metric_text_styles.dgnlib. Refer to the CADD Manual Chapter 5 located on the CFL website for more information: http://www.cflhd.gov/cadd/CaddManDocs/Chapter05_x30.pdf

AUTO TOUR LOOP INTERSECTION

Label approach road.

SULLYS HILL OVERLOOK DRIVE